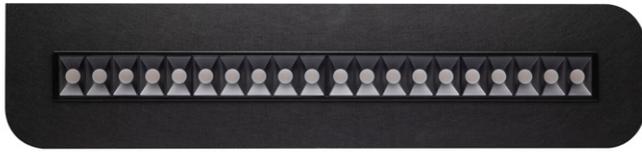


SILENCIO: ARIN

HARMONISING LIGHT & SOUND



| KEY FAMILY DETAILS | |
|-------------------------------|---|
| Optical System: | Hybrid Pods (Black or White) |
| Mounting Type: | Pendant |
| Finish Options: | Opera, Savoye or Flatiron as standard. Other colours via customisation. |
| System Warranty: | 5 years |
| CCT: | 4000K |
| CRI (Ra): | 90+ |
| R9: | 55+ |
| COI Compliant: | Yes (COI<=2.7) (except 3000K models) |
| Melanopic Ratio | 0.54+ |
| Circadian Stimulus CS [%] (*) | 12%+ |
| Circadian Light Cla [lux] (*) | 85+ |

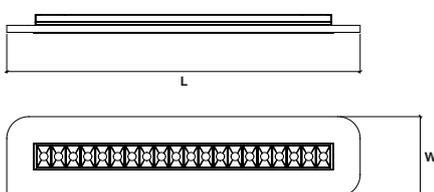
(*) For 150lux corneal photopic illumination. As a guide only.

STANDARD COLOURS



Opera Savoye Flatiron

| MECHANICAL DRAWING | | | | |
|---------------------|----------------------|--------|--------|--------|
| Physical Parameters | Luminaire Dimensions | | | Weight |
| Code | L [mm] | W [mm] | H [mm] | [kg] |
| EL-ARI-1100-244/954 | 1200 | 275 | 62 | 4.7 |
| EL-ARI-1103-244/954 | 1200 | 275 | 62 | 4.7 |
| EL-ARI-1106-244/954 | 1200 | 275 | 62 | 4.7 |
| EL-ARI-1109-244/954 | 1200 | 275 | 62 | 4.7 |
| EL-ARI-1112-244/954 | 1200 | 275 | 62 | 4.6 |
| EL-ARI-1115-244/954 | 1200 | 275 | 62 | 4.6 |
| EL-ARI-1118-244/954 | 1200 | 275 | 62 | 4.7 |
| EL-ARI-1121-244/954 | 1200 | 275 | 62 | 4.7 |
| EL-ARI-1124-244/954 | 1200 | 275 | 62 | 4.7 |
| EL-ARI-1127-244/954 | 1200 | 275 | 62 | 4.7 |
| EL-ARI-1130-254/955 | 1200 | 275 | 62 | 4.6 |
| EL-ARI-1133-254/955 | 1200 | 275 | 62 | 4.6 |



Custom sizes available upon request. ie. 2310mm Length

Within commercial interiors, the quality of room acoustics is equally important as the quality of light. Eagle Lighting has created a product that perfects both in a single package...

Meet the Arin - a modern suspended pendant made in Melbourne that offers best-in-class lighting and acoustic performance.

APPLICATION

A unique pendant that solves the problem of ineffective lighting and poor room acoustics in a single package. Designed, tested and manufactured in Australia, Arin advances lighting performance while simultaneously reducing acoustic reverberation.

DESIGN

Arin is available in 24 on-point colours to complement architectural interior intent, offering creative expression by using colour accents. As with light and acoustics, colour subconsciously induces biological reactions and influences mood, emotion, and behaviour.

Arin incorporates a noise-absorbing recycled fibre that forms the surrounding component of a central linear array of light chambers.

SOUND ABSORPTION

Acoustic conditions profoundly impact human performance and are particularly important for complex cognitive performance and productivity. As a result, acoustic comfort is a key deliverable in commercial office and Education projects.

Arin is engineered and scientifically tested to control reverberated noise and echo. Within the range relevant to communication (1000-2000 Hz), the noise absorption benefits of the Arin is at peak performance.

OPTICS

Arin provides premium quality, low glare illumination, with high colour rendering accuracy and options for colour changing and personalised lighting scenes.

A central array of high specification ABS injection moulded chambers and beam shaping microstructured film combines to provide optimum luminescence.

CONTROLS

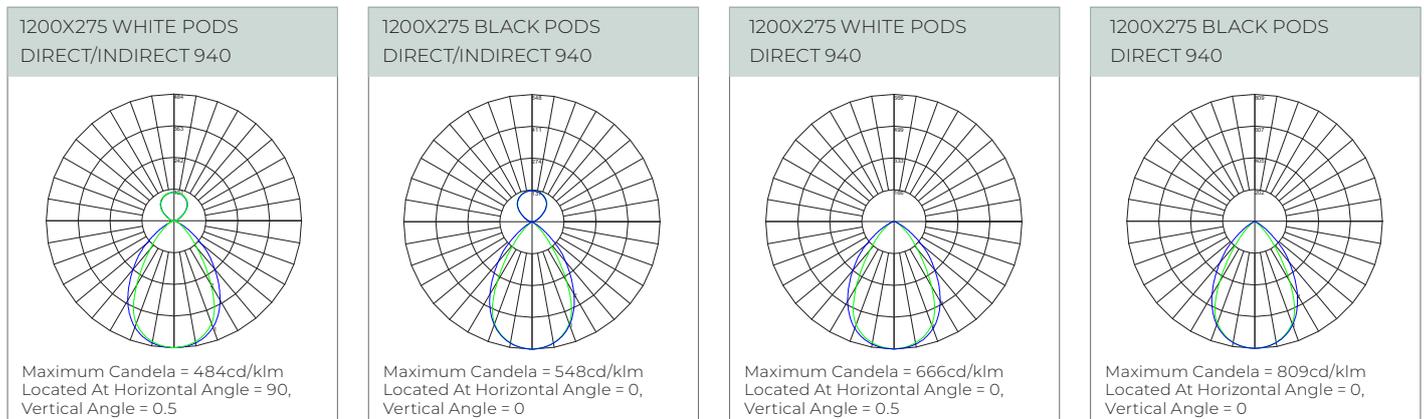
Optional Organic Response Sensor Nodes available in black or white integral to the pendant that responds to ambient light level and occupancy, pre-set lighting scenes and tuneable white light.

INSTALLATION

Fast installation via wire pendant package. Height adjustment via friction lock in the luminaire.

Cable entry via knockout in the top plate to access terminal block. Supplied 5 core power cable in clear colour, one small ceiling cup, one large in either black or white.

HARMONISING LIGHT & SOUND



| 330 LUX TARGET ILLUMINANCE | | | | | | | | | |
|----------------------------|----------------------|------------------------|----------------------|--------------------|-----------------------------|-------------------|-------------------|----------------|-------------------------------|
| Code | CCT1 [K] (direct) | CCT2 [K] (indirect) | Power Initial [W] | Final Power [W] | Luminaire Lumens [lm] | Colour/ Finish | Target Spacing | UGR Rounded | CLO L100B50 Lifetime [hrs] |
| | | | | | | | | | LM80 duration: 12,000hrs |
| EL-ARI-1100-244 | 4000K | | 19 | 23 | 2137 | Opera | 2.4m x 2.4m | 19 | 72,000 |
| EL-ARI-1100-954 | 4000K | | 19 | 23 | 2137 | Opera | 2.4m x 2.4m | 19 | 72,000 |
| EL-ARI-1103-244 | 4000K | | 22 | 28 | 2132 | Opera | 2.4m x 2.4m | 19 | 72,000 |
| EL-ARI-1103-954 | 4000K | | 22 | 28 | 2132 | Opera | 2.4m x 2.4m | 19 | 72,000 |
| EL-ARI-1106-244 | 4000K | | 23 | 28 | 2706 | Opera | single | - | 72,000 |
| EL-ARI-1106-954 | 4000K | | 23 | 28 | 2706 | Opera | single | - | 72,000 |
| EL-ARI-1109-244 | 4000K | | 26 | 32 | 2504 | Opera | single | - | 72,000 |
| EL-ARI-1109-954 | 4000K | | 26 | 32 | 2504 | Opera | single | - | 72,000 |
| EL-ARI-1112-244 | 4000K | | 18 | 23 | 1970 | Opera | single | - | 72,000 |
| EL-ARI-1112-954 | 4000K | | 18 | 23 | 1970 | Opera | single | - | 72,000 |
| EL-ARI-1115-244 | 4000K | | 22 | 27 | 1734 | Opera | single | - | 72,000 |
| EL-ARI-1115-954 | 4000K | | 22 | 27 | 1734 | Opera | single | - | 72,000 |
| EL-ARI-1118-244 | 4000K | 3000K | 23 | 28 | 2683 | Opera | single | - | 72,000 |
| EL-ARI-1118-954 | 4000K | 3000K | 23 | 28 | 2683 | Opera | single | - | 72,000 |
| EL-ARI-1121-244 | 4000K | 3000K | 26 | 32 | 2473 | Opera | single | - | 72,000 |
| EL-ARI-1121-954 | 4000K | 3000K | 26 | 32 | 2473 | Opera | single | - | 72,000 |
| EL-ARI-1124-244 | 3000K | | 20 | 24 | 2168 | Opera | 2.4m x 2.4m | 19 | 72,000 |
| EL-ARI-1124-954 | 3000K | | 20 | 24 | 2168 | Opera | 2.4m x 2.4m | 19 | 72,000 |
| EL-ARI-1127-244 | 3000K | | 24 | 29 | 2169 | Opera | 2.4m x 2.4m | 19 | 72,000 |
| EL-ARI-1127-954 | 3000K | | 24 | 29 | 2169 | Opera | 2.4m x 2.4m | 19 | 72,000 |
| EL-ARI-1130-254 | 2700-6500K | | 24 | 30 | 2630 | Opera | single | - | 72,000 |
| EL-ARI-1130-955 | 2700-6500K | | 24 | 30 | 2630 | Opera | single | - | 72,000 |
| EL-ARI-1133-254 | 2700-6500K | | 26 | 31 | 2238 | Opera | single | - | 72,000 |
| EL-ARI-1133-955 | 2700-6500K | | 26 | 31 | 2238 | Opera | single | - | 72,000 |

| WIRING OPTIONS | SUFFIX |
|-------------------------|--------|
| DALI CLO | -244 |
| Organic Response CLO | -954 |
| Tuneable White DALI CLO | -254 |
| Tuneable White ORT CLO | -955 |

| MOUNTING ACCESSORIES | CODE |
|--|----------------|
| Suspension large round ceiling w/mains & wire 1.5m black | EL-ACC-541-000 |
| Suspension small round ceiling w/wire 1.5m black | EL-ACC-542-000 |
| Suspension large round ceiling w/mains & wire 1.5m white | EL-ACC-543-000 |
| Suspension small round ceiling w/wire 1.5m white | EL-ACC-544-000 |

HARMONISING LIGHT & SOUND

Cube™

PRODUCT SPECIFICATIONS

Product Name Cube™
Composition 100% Polyester Fibre
Panel Dimensions 1220mm x 2440mm
Tolerance (+5mm) x (+10mm)
Thickness 12mm 24mm Tolerance (+/-6%) (+/-6%)
Weight 2400gsm 3600gsm

ENVIRONMENTAL

Autex is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems. Autex Cube™ contains a minimum of 60% previously recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible. Autex Cube™ is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

THERMAL PERFORMANCE

(Internally tested by Autex Lab)
Cube 24mm R0.82 (@15°C)

MICROBIAL RESISTANCE

ASTM G21-15
Growth Rating: 0 (No growth)
Cube™ does not promote the growth of moulds and mildew.

VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as a low VOC product.
VOC concentration: 0.009 mg/m³ (7 days)

WATER VAPOUR SORPTION

ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapour absorbed and adsorped after
4 days: 0.4% by weight

FIRE RATINGS

Cube™ has been evaluated using the following test methods:

ISO 9705: 1993

Classification: Group 1-S
Smoke Production Rate: <5.0m²/s
As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 1
(SMOGRArc): <100m²/s²
Assessed using methodology AS ISO 9705 - 2003
in accordance with AS 5637.1:2015, as required
by BCA Specification C1.10-4
FI 4974 dated 16th September, 2012
FAR 4055-2 dated 8th October 2013

EN13501-1:2007+A1:2009

B - s2, d2 (Cube™ 12mm)
WF336911 dated 25th February 2014

ASTM E-84-15a

Class A, FS:0 - SD:45 (Cube™ 1/2")
RJ4479-2 dated 25th January, 2016
Class A, FS:0 - SD:65 (Cube™ 1")
RJ4479-1 dated 25th January, 2016

HARMONISING LIGHT & SOUND

NATA TEST REPORT

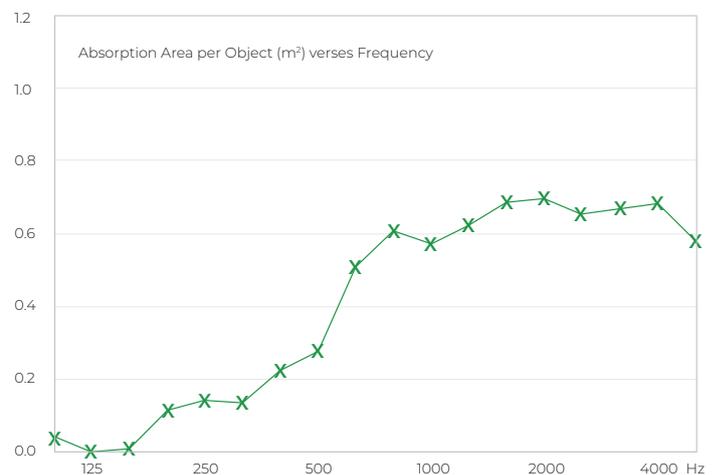
To achieve acoustic comfort in a room, the goal is to lower the reverberation time and noise level. Each Arin pendant is capable of absorbing 45% of the soundwaves that it intercepts reducing the reverberant noise in a space.

Measurement type; Sound Absorption AS ISO 354 – 2006 – Acoustics – Measurement of sound absorption in a reverberation room.

Test Specimen Eagle Lighting Arin Pendant 1200 x 273mm, 24mm baffle

Data also available upon request for Arin Pendant 1300 x 373mm 24mm baffle

| MEASUREMENT DETAILS & RESULTS | | | |
|-------------------------------|--|--|---------------|
| FREQ | ABSORPTION AREA PER LUMINAIRE ² | REVERBERATION TIMES, T ₆₀ (SEC) | |
| Hz | (m ² SABIN) | EMPTY ROOM | WITH SPECIMEN |
| 100 | 0.04 | 5.47 | 5.37 |
| 125 | 0.00 | 6.11 | 6.12 |
| 160 | 0.01 | 6.41 | 6.40 |
| 200 | 0.12 | 5.89 | 5.56 |
| 250 | 0.14 | 4.83 | 4.56 |
| 315 | 0.14 | 5.93 | 5.54 |
| 400 | 0.22 | 6.01 | 5.36 |
| 500 | 0.28 | 5.61 | 4.93 |
| 630 | 0.51 | 5.35 | 4.30 |
| 800 | 0.61 | 5.11 | 3.99 |
| 1000 | 0.58 | 4.88 | 3.90 |
| 1250 | 0.62 | 4.44 | 3.56 |
| 1600 | 0.69 | 3.98 | 3.20 |
| 2000 | 0.70 | 3.61 | 2.95 |
| 2500 | 0.66 | 3.23 | 2.72 |
| 3150 | 0.67 | 2.88 | 2.47 |
| 4000 | 0.69 | 2.38 | 2.10 |
| 5000 | 0.58 | 1.96 | 1.80 |

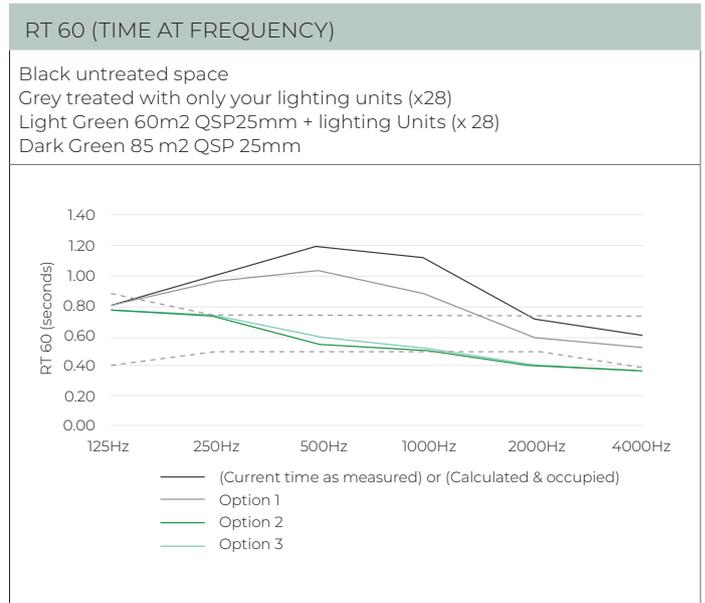
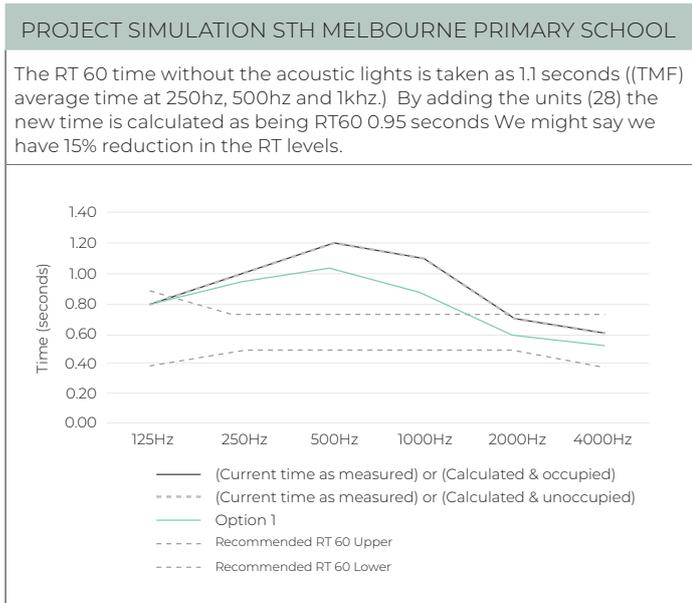


| | MEASUREMENT CONDITIONS | |
|------------------------|------------------------|--------------------|
| | Empty Room | with Test Specimen |
| Date of measurement | 10 Jun 2021 | 10 Jun 2021 |
| Temperature & Humidity | 19°C, 54% R.H | 17°C, 59% R.H |
| Atmospheric pressure | 997 mBar | 997 mBar |

The required 12 spatially independent decay curves came from the ensemble averaging 10 successive decays with each of 3 different source loudspeaker positions, all sampled by 4 fixed microphones, using linear averaging.

HARMONISING LIGHT & SOUND

Cube™



ACOUSTIC PERFORMANCE 1200X273MM

Cube™ is specifically designed to reduce and control reverberated and (echo) noise in building interiors.

Minimum Noise Reduction Coefficient 0.45

Sound Absorption Coefficients according to ISO 354.

University of Auckland Testing Service Cube 12mm - Test No. To71-23

Cube 24mm - Test No. T1961-1 and T1326-5

Below is the average absorption per unit and the also the rounded data for the ARIN lighting unit.

Each unit provides the equivalent of 0.45m² of absorption.

| Practical Sound Absorption Coefficients | | | | | | |
|---|------|------|------|------|------|--|
| 125 | 250 | 500 | 1000 | 2000 | 4000 | |
| Metric Sabins per Unit | | | | | | Average (per m ² 250hz-2khz) |
| 0.00 | 0.15 | 0.35 | 0.60 | 0.70 | 0.65 | 0.45 |

Reported values represent the estimated practical sound absorption coefficients and metric sabins calculated from configurations tested in accordance to ISO 354. The graph presents third octave sound absorption coefficients. The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz, rounded to the nearest 0.05. Where the NRC is > 1 it is rounded to 1.00. (Sabins per meter² of practical coverage are calculated at one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz, rounded to the nearest 0.05. The values and ratings in this report are estimates and not to be considered as a guarantee of performance.

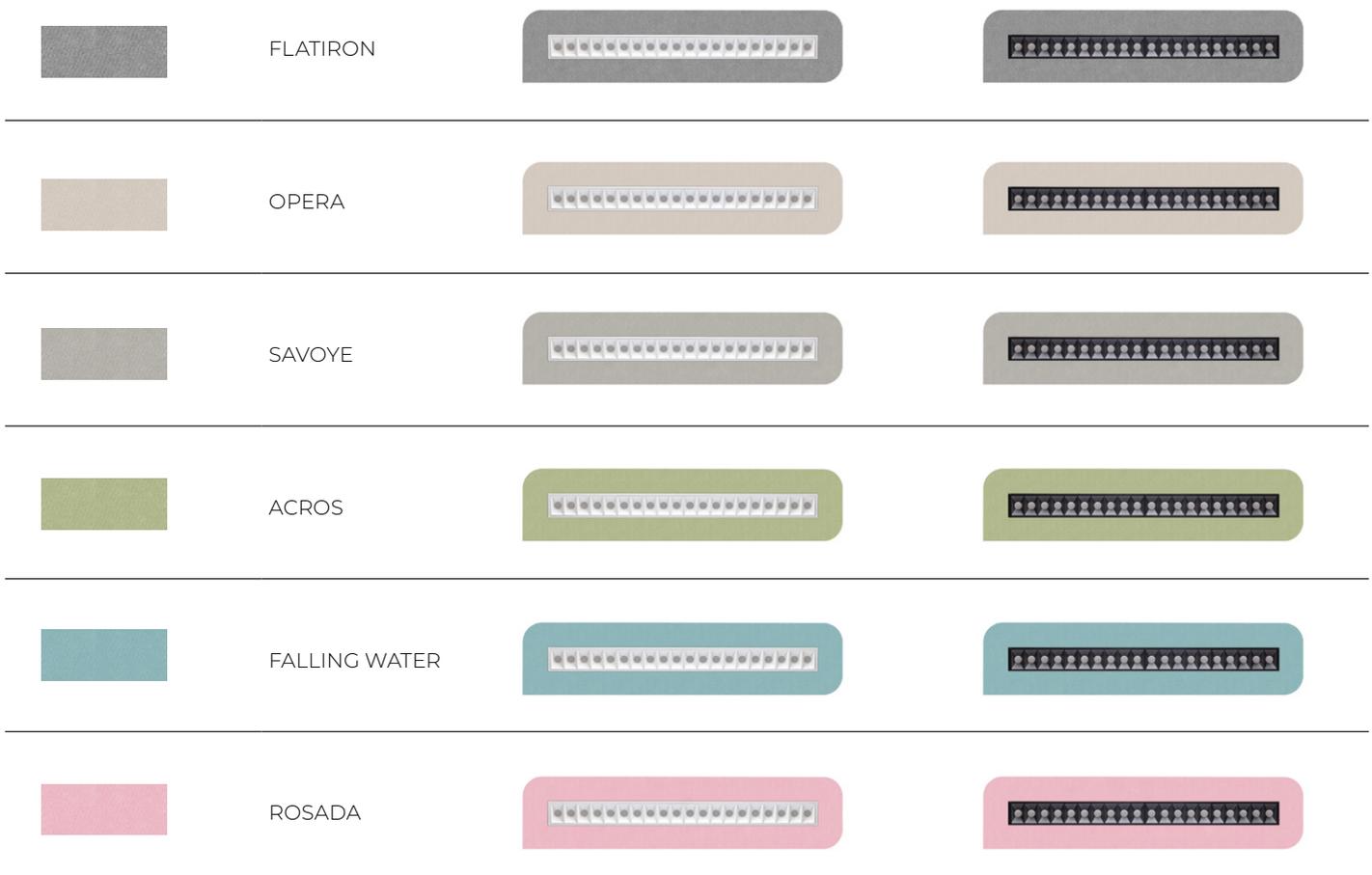
HARMONISING LIGHT & SOUND

AVAILABLE COLOUR RANGE

| | | | |
|---|---|---|---|
|  FLATIRON* |  FALLING WATER |  CHERKIN |  BEEHIVE |
|  SAVOYE* |  PINNACLE |  CAVALIER |  SENADO |
|  OPERA* |  MURALLA |  SARGAZO |  PARTHENON |
|  PETRONAS |  BOSCO |  ROSADA |  ZENITH |
|  EMPIRE |  ACROS |  IRON BANK |  PAVILION |
|  HERALD |  TREE HOUSE | | |

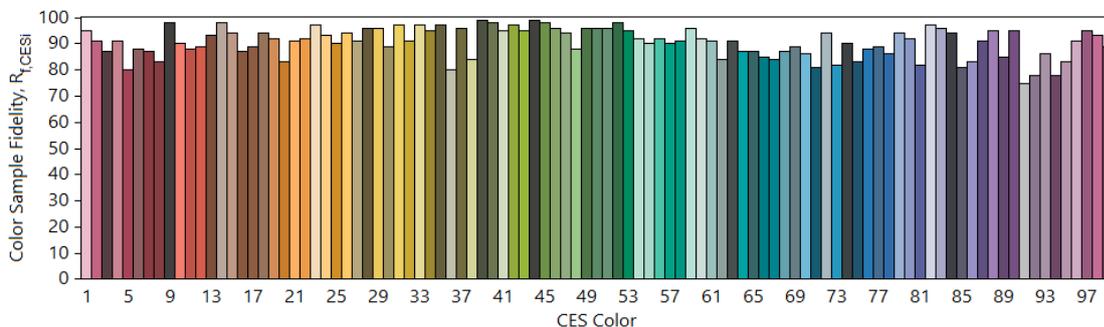
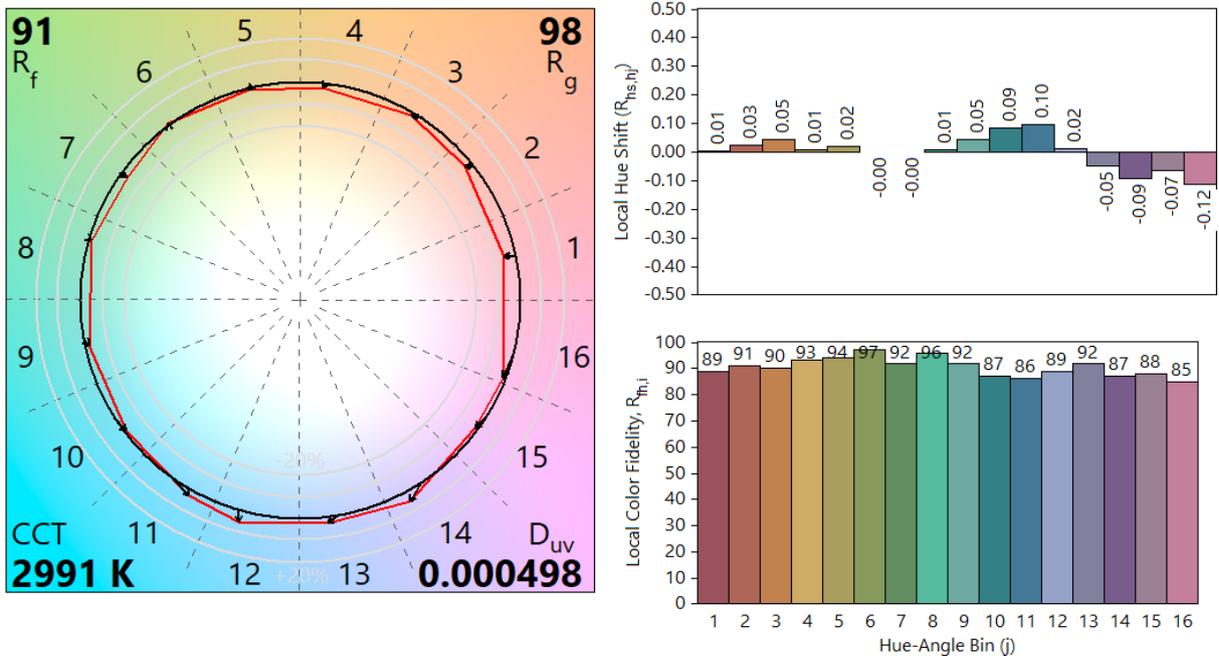
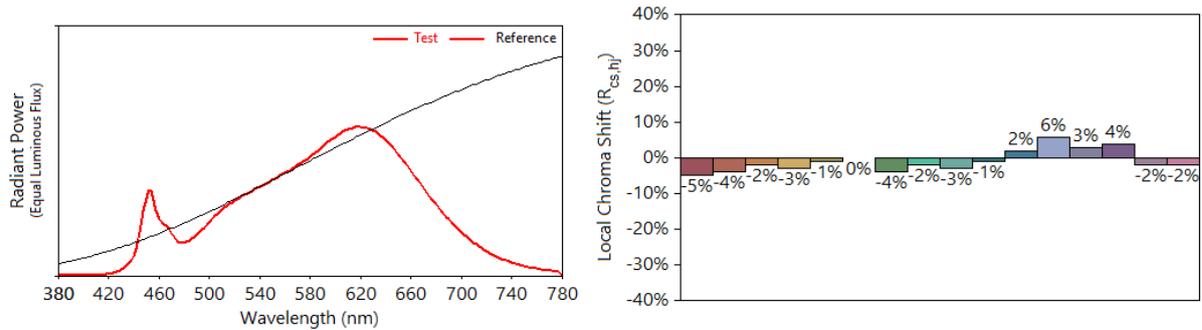
* Standard colours.

N.B. MOQ apply to all non-standard colours. Colour choices will continuously be updated based on trends, latest information will be available on our website



HARMONISING LIGHT & SOUND

TM-30 COLOUR RENDITION REPORT (930)



Notes: ARIN 930 DIR/IND Variants

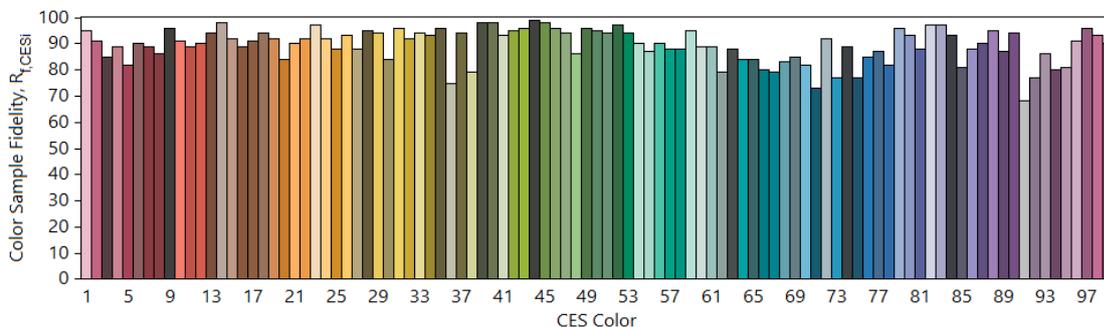
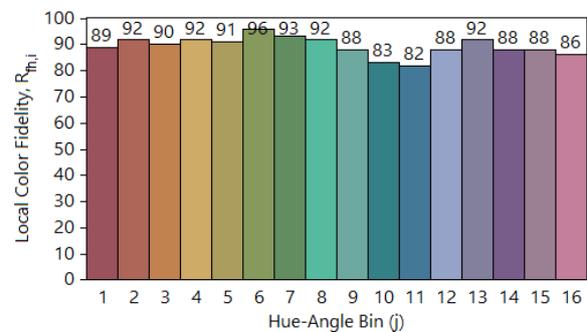
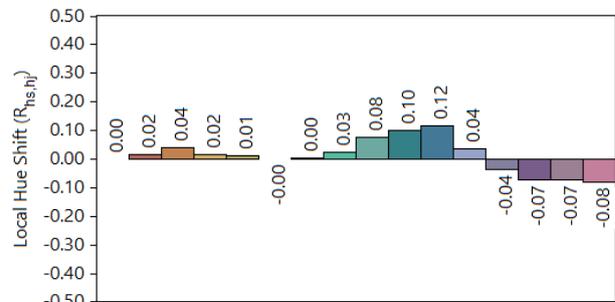
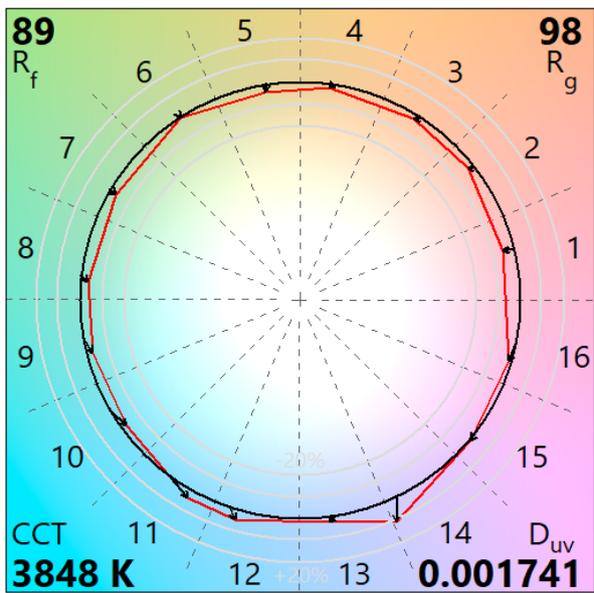
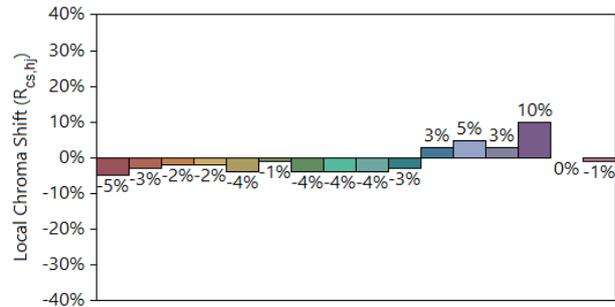
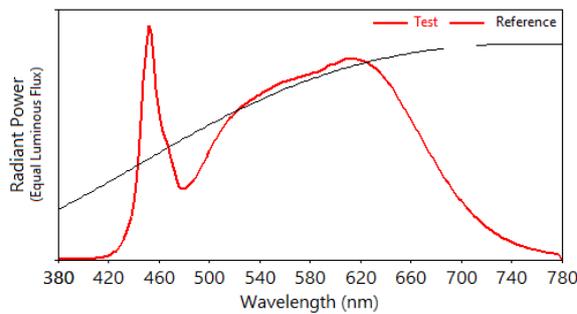
x 0.438277
y 0.405787
u' 0.250699
v' 0.522256

CIE 13.3-1995
(CRI)
 R_a 92
 R_g 55

Colors are for visual orientation purposes only.

HARMONISING LIGHT & SOUND

TM-30 COLOUR RENDITION REPORT (940)



Notes: ARIN 940 DIR/IND Variants

x 0.388784
y 0.385586
u' 0.227045
v' 0.506649

CIE 13.3-1995
(CRI)
 R_a 92
 R_g 60

Colors are for visual orientation purposes only.